

IN THE CLAIMS:

1. (Currently Amended) An electrical connector, comprising:

a dielectric housing having a plurality of substantially open receptacles arranged in an array which is suitable for an electrical connector, the housing having a first surface and a second surface, the distance between the first surface and the second surface defining a thickness dimension of the housing, the thickness dimension of the housing at the location of the receptacles being generally the same as the thickness dimension of the housing at locations without receptacles, each said receptacle having a through axis;

a plurality of electrically conductive contacts positioned within at least some of said receptacles so as to provide an array of contacts arranged to be suitable for an electrical connector;

a plurality of retention members within the receptacle, at least one of said retention members engaging at least one of said contacts so as to impart an ungapped condition to the connector at the location of the retention member within the housing; and

said ungapped condition of the connector substantially prevents passage of liquid through the open receptacles having said retention members therewithin.

2. (Original) The electrical connector in accordance with claim 1, wherein said retention member has an opening therethrough, and said electrically conductive contact is positioned through said retention member opening and substantially fills said opening.

3. (Previously Amended) The electrical connector in accordance with claim 2, wherein said receptacle of the housing has a stop surface within the receptacle, and wherein said retention member is between said stop surface and a portion of said electrically conductive contact.

4. (Original) The electrical connector in accordance with claim 1, wherein said electrically conductive contact has a first portion and a generally opposing second portion, a demarcation between said first and second portions of the contact being generally at said retention member, said first and second portions being at least partially within said housing, and said retention member is in contact with the respective first and second portions within

the housing to thereby contribute to said ungapped condition.

5. (Original) The electrical connector according to claim 4, wherein said first portion of the electrically conductive contact generally lies along said through axis, while said second portion of the contact is at an acute angle relative to said through axis.

6. (Original) The electrical connector according to claim 1, wherein said ungapped condition imparts compliant and stable mount characteristics to said contacts.

7. (Original) The electrical connector according to claim 1, wherein said array of contacts is in a 1 mm grid.

8. (Original) The electrical connector according to claim 1, wherein said array of contacts is in a 0.05 inch grid.

9. (Previously Amended) The electrical connector according to claim 1, wherein said contact has a terminal portion is bent after insertion into said receptacle.

10. (Previously Amended) The electrical connector according to claim 9, wherein said formed terminal portion had been subjected to post-assembly bending for terminal retention.

11. (Original) The electrical connector according to claim 1, wherein said dielectric housing is a unitary member.

12. (Original) The electrical connector according to claim 1, wherein said dielectric housing includes a plurality of housing component strips.

13. (Original) The electrical connector according to claim 1, wherein said retention member has an opening therethrough, and a portion of said contact is within and in engagement with said retention member opening.

14. (Original) The electrical connector according to claim 1, wherein said retention member has an external surface which engages said receptacle.

15. (Original) The electrical connector according to claim 14, wherein said receptacle has a stop surface, and said retention member external surface abuts said stop surface.

16. (Original) The electrical connector according to claim 14, wherein said receptacle has an interior surface which is generally parallel to said through axis, and said retention member external surface abuts said receptacle interior surface.

17. (Original) The electrical connector according to claim 13, wherein said retention member has an external surface which engages said receptacle, and a force fit condition is present between said contact portion and said retention member opening and between said receptacle and said retention member external surface.

18. (Original) The electrical connector according to claim 17, wherein a force fit condition is present between said receptacle interior surface and said retention member external surface.

19. (Original) The electrical connector according to claim 1, wherein said retention member is resilient.

20. (Original) The electrical connector according to claim 19, wherein said retention member is compressed within said receptacle.

21. (Original) The electrical connector according to claim 1, wherein said contact has a land contact surface at one end thereof and a deflective terminal at an opposite end thereof.

22. (Currently Amended) An electrical connector, comprising:
a dielectric housing having a plurality of substantially open receptacles arranged in an

array which is suitable for an electrical connector, the housing having a first surface and a second surface, the distance between the first surface and the second surface defining a thickness dimension of the housing, the thickness dimension of the housing at the location of the receptacles being generally the same as the thickness dimension of the housing at locations without receptacles, each said receptacle having a through axis;

a plurality of electrically conductive contacts positioned within at least some of said receptacles so as to provide an array of contacts arranged to be suitable for an electrical connector;

a plurality of retention members within the receptacle, at least one of said retention members engaging at least one of said contacts so as to impart an ungapped condition to the connector at the location of the retention member within the housing;

a retention member opening through said retention member, said electrically conductive contact being positioned through said retention member opening so as to substantially fill said opening;

said electrically conductive contact has a first portion and a generally opposing second portion, a demarcation between said first and second portions of the contact being generally at said retention member, said first and second portions being at least partially within said housing, and said retention member is in contact with the respective first and second portions within the housing to thereby contribute to said ungapped condition; and

said ungapped condition of the connector substantially prevents passage of liquid through the open receptacles having said retention members therewithin and provides compliant mounting of said contact within said receptacle.

23. (Previously Amended) The electrical connector in accordance with claim 22, wherein said receptacle of the housing has a stop surface within the receptacle, and wherein said retention member is between said stop surface and a portion of said electrically conductive contact.

24. (Previously Amended) The electrical connector according to claim 22, wherein said formed terminal portion is bent after insertion into said receptacle.

25. (Original) The electrical connector according to claim 22, wherein said

retention member has an external surface which engages said receptacle, said receptacle has a stop surface, and said retention member external surface abuts said stop surface, said receptacle has an interior surface which is generally parallel to said through axis, and said retention member external surface abuts said receptacle interior surface.

26. (Original) The electrical connector according to claim 22, wherein said retention member is resilient and is compressed within said receptacle.

27. (Original) The electrical connector according to claim 22, wherein said contact has a land contact surface at one end thereof and a deflective terminal at an opposite end thereof.